

**To:** Kady, Thomas[Kady.Thomas@epa.gov]  
**From:** Egan, Robert  
**Sent:** Tue 11/29/2016 5:18:05 PM  
**Subject:** FW: Proposed Well Locations  
2016 - Proposed Well Placements.pdf  
903 SITE.pdf

Hi Tom,

See below.

Are you available to discuss with the group tomorrow afternoon if we can have the call?

Thanks,

Bob

Bob Egan

Corrective Action Manager

Underground Storage Tanks Section

RCRA Branch

EPA Region 5

(312) 886-6212

(312) 692-2911 (fax)

**From:** Dave Larsen [mailto:dlarsen@reiengineering.com]  
**Sent:** Tuesday, November 29, 2016 11:11 AM  
**To:** Egan, Robert <egan.robert@epa.gov>; KHanson@ldftribe.com; Christopher A Saari  
<Christopher.Saari@Wisconsin.gov>; Robinson, John H - DNR  
(John.Robinson@wisconsin.gov) <John.Robinson@wisconsin.gov>; Fassbender, Judy L - DNR

(Judy.Fassbender@wisconsin.gov) <Judy.Fassbender@wisconsin.gov>

**Cc:** Kamke, Sherry <Kamke.Sherry@epa.gov>; Dee.allen@ldftribe.com; Faust, Matt <mfaust@bristol-companies.com>

**Subject:** Proposed Well Locations

**Importance:** High

Hello all. REI has been in contact with drilling contractors to see if we can get the proposed wells installed in 2016. I heard back yesterday from one contractor that they have availability from December 7-16 and was hoping that we would be able to expedite an approval to allow the wells to be installed during that period of drilling availability. Can we arrange a conference call for tomorrow, Wednesday Nov 30<sup>th</sup> at 1:00 pm central? **Please respond with your availability, if this date/time does not work, please provide alternative(s).**

I have taken all the proposed locations (thank you to Bob Egan, Tom Kady and the folks at Bristol) and included them on the attachment.

- The well placements proposed by Tom Kady are identified in **RED**
- The well placements proposed by REI are identified in **Green**
- The well placements identified by Bristol are in **Blue**

For the most part we all are in agreement on the approximate locations of the proposed wells. I recommended moving the locations of EPA proposed Well #1 and #5. I recommend moving #1 nearer the REI proposed location mainly due to the historical location of nested wells MW6 and MW7 from the initial investigation (figure is attached). Both wells were essentially non-detect for each sampling event. REI also referenced historical well MW8 and it too was essentially non-detect for each sampling event. I split the difference between the Bristol recommended location (by MW8) and the EPA recommended location (by MW's 6-7). But the group can decide on final locations. I also recommend moving proposed well location #5 further west near the former locations of the MW13 historical well nest (FYI - these wells were also non-detect).

- Historic Investigation Well Construction Data
  - MW6: 15' depth and 10' screen
  - MW7: 40' depth and 5' screen

- o MW8: 40' depth and 5' screen
- o MW13s: 33' depth and 5' screen
- o MW13d: 50' depth and 5' screen

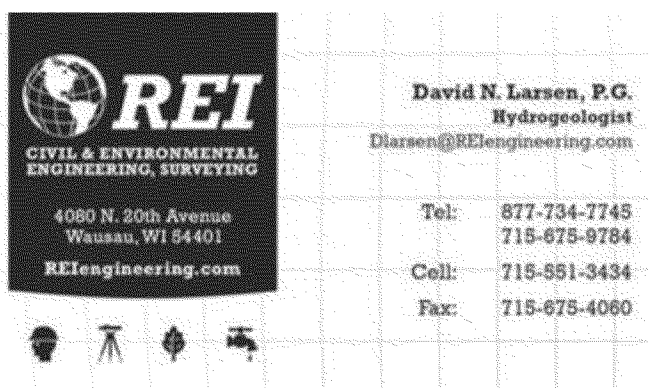
I am not sure if we can get the #4 well location wells installed along the spit between the pond and the lake. The drillers equipment is very big and there may not be enough room for the rig, support truck and everything else needed to install and well. If we can agree to move forward I will provide the driller with the proposed locations and rely on his recommendations regarding accessibility to the proposed locations.




Timing is pretty critical, the driller is looking at up to 7 days to complete and I am trying to assist in reducing it to 5 days. We will need to notify the off-site property owners and get their blessing to access their property. We will also need to complete a diggers hotline locate (3 business day advance notice is required) and I will have to try to find a disposal option for the significant volume of water that will be generated.

Thank you,

David N. Larsen P.G

Hydrogeologist / Professional Geologist



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**From:** Egan, Robert [<mailto:egan.robert@epa.gov>]  
**Sent:** Tuesday, November 29, 2016 8:16 AM  
**To:** [KHanson@ldftribe.com](mailto:KHanson@ldftribe.com); Christopher A Saari <[Christopher.Saari@Wisconsin.gov](mailto:Christopher.Saari@Wisconsin.gov)>; Dave Larsen <[dlarsen@reiengineering.com](mailto:dlarsen@reiengineering.com)>  
**Cc:** Kamke, Sherry <[Kamke.Sherry@epa.gov](mailto:Kamke.Sherry@epa.gov)>; [Dee.allen@ldftribe.com](mailto:Dee.allen@ldftribe.com)  
**Subject:** Bristol recommendations on additional well locations

All,

I asked Matt Faust and Bob Allen at Bristol to look at our additional well recommendations. Matt's message back to me is copied below:

Bob Allen and I went over the recommended well locations in your email correspondence with Tom Kady and largely concur with all of the proposed wells.

At a lower priority, we would also recommend a true background well pair immediately up-gradient (north) of the plume. Somewhere in the vicinity of 272,500 N, 1,990,650 E. One of the potential benefits would be the data gathered on redox chemistry of the aquifer immediately before entering the impacted zone.

Please let me know if you have any questions.

Regards,

Bob

Bob Egan

Corrective Action Manager

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